What Is Claimed Is:

1. An image processing device, comprising:

an input part to which image data represented by a plurality of colors including black is input;

a black area detector that detects a black area in the image data; and

an output part that adds color materials, except a black material, of a predetermined amount to the black area regardless of contents of the image data in a background of the black area and outputs the color materials and the black material.

2. An image processing device, comprising:

an input part to which image data represented by a plurality of colors including black is input;

a black area detector that detects a black area in the image data;

an edge detector that detects an edge of the black area;

an output part that adds color materials, except a black material, of an amount according to colors in the periphery of the edge to the edge, adds the color materials, except the black material, of a predetermined amount to the black area except the edge regardless of contents of the image data in a background of the black area, and outputs the color materials and the black material.

3. An image processing device according to Claim 2, further comprising: an adjuster that adjusts the amount of the color materials except the black material added to the edge in case a total amount of the color materials and the black material to be output to the edge exceeds a predetermined amount.

- 4. An image processing device according to Claim 1, wherein the output part is based upon primary colors of black (K), yellow (Y), magenta (M) and cyan (C); and an amount of each color material of the Y, M, C is output to the black area in a range of 10 to 40% (percentage by weight) of the amount of the black material.
- 5. An image processing device according to Claim 4, further comprising:

a reduction unit that reduces the amount of the color material of the Y, M, C, keeping the amount of the black material in case a total amount of the color materials of K, Y, M, C exceeds a predetermined value.

6. An image processing method, comprising the steps of: inputting image data represented by a plurality of colors including black;

detecting a black area in the image data; and adding color materials, except a black material, of a predetermined amount to the black area regardless of contents of the image data in a background of the black area and outputting the color materials and the black material.

7. An image processing device, comprising:

an input part to which image data represented by a plurality of colors including black is input;

a black area detector that detects a black area in the image data;

an image determination unit that determines a type of an image in each area in the image data; and

an output part that adds color materials, except a black material, of a predetermined amount to an area determined to hold a predetermined type by the image determination unit and detected as a black area by the black area detector regardless of contents of the image data in a background of the black area and outputs the color materials and the black material.

- 8. An image processing device according to Claim 7, wherein the output part adds color materials, except the black material, of a predetermined amount to an area determined to hold a character by the image determination unit and detected as a black area by the black area detector regardless of contents of the image data in a background of the black area and outputs the color materials and a black material.
- 9. An image processing method, comprising the steps of: inputting image data represented by a plurality of colors including black; and

adding color materials, except a black material, of a predetermined amount to an area determined to hold a predetermined image type and detected as a black area from among areas in the image data regardless of contents of the image data in a background of the black area and outputting the color materials and the black material.